Worth D. Clarke
Comptr

BILLERICAY

Rural District Council.

REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1904.

CHELMSFORD;

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MCMV.

REPORT.

GENTLEMEN,

The following is my report for 1904.

Our sanitary district consists of 24 parishes, with a population, according to the census of 1901, of 17,503, of which 11,899 are included in the Western, and 5,614 in the Eastern Division.

The total population of the Western Division is 11,889, but for statistical purposes the 1,698 inmates of the Asylum, and 613 soldiers at Warley Barracks, must be deducted. This leaves a population of 9,758, on which all birth and death returns must be calculated.

In the population of the Eastern Division the Workhouse is included, as the inmates are drawn almost entirely from the population of the Union District.

The number of deaths registered was 424. Of these, 24 were in the Workhouse, 68 in the Eastern Division, 78 in the Western Division, 255 in the Asylum, 2 in Warley barracks, and 6 in the Cottage Hospital at Shenfield.

Of the deaths in the Workhouse, 10 belong to Brentwood parish, and have been transferred there.

The death rate of the Eastern Division is 14·6, and that of the Western Division—the Asylum and Barracks being excluded—is 8·6. The death rate of the whole sanitary district is 11·6.

The infantile death rate is in the Eastern Division 73·3 per thousand, and in the Western 111·1 per thousand. The infantile death rate for the whole district is 92·2 per 1,000 of births.

The total number of births registered was 353—146 in the Eastern and 207 in the Western Division—giving a birth rate in the Eastern Division of 26, and in the Western of 21·6, the combined birth rates being 23·8 per thousand of population.

Of deaths at advanced age, there were 25 between 80 and 90, and two above 90. This is exclusive of deaths in the Asylum.

The birth rate is below the average of the last ten years, for which it was 26·3. The average death rate for the last ten years was 14·4, and for the last 20 it was 15·2. The lowest death rate was 11·9 in 1894.

The following tables will show the ages at which death occurred, and the diseases which caused death :—

EASTERN DIVISION—BILLERICAY UNION.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1904.

Causes of Death.	Deaths in or belonging to whole District at subjoined ages.						
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Smallpox	...	...	...	...	..	...	...
Measles	...	...	...	...	...	...	...
Scarlet fever	...	...	...	...	...	...	...
Whooping cough	2	1	1	...	...	...	...
Diphtheria and Membranous Croup	...	..	...	...	..	...	...
Croup	...	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	.	...
Fever { Enteric	...	...	...	.	...	...	...
Fever { Other continued ...	...	...	...	...	...	...	...
Epidemic influenza... ...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Diarrhœa	...	...	...	..	...	...	...
Enteritis	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	. .
Erysipelas	...	..	...	...	...	...	...
Other septic diseases ...	...	...	...	...	..	...	...
Phthisis	2	...	...	...	..	2	...
Other tubercular diseases...	3	1	1	1	...	.	...
Cancer, malignant disease	6	...	...	...	...	2	4
Bronchitis	9	2	2	...	...	..	5
Pneumonia	3	1	...	.	...	1	1
Pleurisy	1	...	...	...	..	1	...
Other diseases of Respiratory organs	...	...	..	...	...	...	...
Alcoholism } Cirrhosis of Liver } ...	1	...	...	...	...	1	. .
Venereal diseases	...	...	..	...	...	...	...
Premature birth	2	2	..	...	...	...	...
Diseases and accidents of parturition	...	...	...	...	...	...	...
Heart diseases	8	...	...	1	...	2	5
Accidents	2	...	...	...	1	1	...
Suicides	...	...	...	...	...	...	...
All other causes	29	4	6	...	...	4	15
All causes	68	11	10	2	1	14	30

WESTERN DIVISION—BILLERICAY UNION.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1904.

Causes of Death.	Deaths in or belonging to whole District at subjoined Ages.						
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Smallpox	...	...	...	...	...	...	...
Measles	2	1	1	...	...	...	...
Searlet fever	...	...	...	...	...	...	...
Whooping-cough	..	..	...	...	...	...	...
Diphtheria and Membranous Croup	1	...	1	...	...	...	...
Croup	...	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	...	...
Fever { Enteric	...	...	...	...	...	...	...
Fever { Other continued ...	...	...	...	...	.	...	...
Epidemic influenza... ..	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...
Plague	..	...	...	...	...	...	...
Diarrhœa	5	5	...	...	...	...	...
Enteritis	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...
Other septic diseases ...	2	...	...	.	...	2	..
Phthisis	2	.	...	1	...	1	...
Other tubercular diseases...	1	...	...	...	1	.	...
Cancer, malignant disease	4	...	.	...	...	1	3
Bronchitis	2	...	...	...	...	...	2
Pneumonia	2	...	...	...	...	1	1
Pleurisy	1	...	...	..	...	...	1
Other diseases of Respiratory organs	...	...	...	...	...	...	...
Alcoholism } Cirrhosis of Liver } ...	...	...	...	.	...	...	...
Venereal diseases	...	...	...	...	...		...
Premature birth	6	6	..	...	...	3	3
Diseases and accidents of parturition	...	...	...	...	...	..	...
Heart diseases	6	...	..	...	...	...	...
Accidents	2	...	...	...	...	1	1
Suicides	...		...	...	...	...	...
All other causes	42	11	2	2	1	7	19
All causes...	78	23	4	3	2	16	30

THE WORKHOUSE, BILLERICAY.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1904.

Causes of Death.	Deaths in or belonging to whole District at subjoined Ages.						
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Smallpox	...	...	...	...	...	...	...
Measles	...	...	..	...	...	...	...
Scarlet fever	...	...	...	...	...	...	...
Whooping cough	...	...	...	...	...	...	...
Diphtheria and Membranous Croup	...	...	...	...	...	...	...
Croup	...	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	...	...
Fever { Enteric	...	..	...	..	..	...	...
Fever { Other continued ...	..	...	...	...	...	...	...
Epidemic influenza... ...	...	..	...	...	.	...	...
Cholera	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Diarrhœa	...	...	...	...	...	...	..
Enteritis	...	...	...	...	...	...	...
Puerperal fever	...	...	..	...	...	...	...
Erysipelas	...	...	...	...	...	...	...
Other septic diseases ...	..	...	..	...	...	...	...
Phthisis	...	...	...	...	...	...	...
Other tubercular diseases ...	...	...	...	...	...	...	...
Cancer, malignant disease	...	..	...	...	.	...	...
Bronchitis	1	...	...	...	...	..	1
Pneumonia	...	...	...	...	...	...	...
Pleurisy	1	..	...	...	...	1	...
Other diseases of Respiratory organs	...	...	...	...	...	...	..
Alcoholism } Cirrhosis of Liver } ...	..	...	..	...	..	...	...
Venereal diseases	...	...	..	..	..	...	...
Premature birth	...	..	...	...	...	...	...
Diseases and accidents of parturition	...	...	..	...	...	...	...
Heart diseases	2	...	...	...	...	1	1
Accidents	..	...	...	...	...	...	...
Suicides	..	.	..	...	.	...	...
All other causes	11	1	...	...	...	2	8
All causes...	15	1	—	—	—	4	10

ESSEX COUNTY ASYLUM.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1904.

Causes of Death.	Deaths in or belonging to whole District at subjoined Ages.						
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Smallpox	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...
Scarlet fever	...	...	...	...	...	...	...
Whooping cough	...	...	...	...	...	...	...
Diphtheria and Membranous Croup	...	...	...	...	...	...	...
Croup	...	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	...	...
Fever { Enteric	...	...	...	...	...	...	...
Fever { Other continued ...	...	...	...	...	...	...	...
Epidemic influenza... ...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Diarrhœa	...	...	...	...	...	...	...
Enteritis	...	...	...	...	...	...	...
Puerperal fever	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	..	...
Other septic diseases ...	1	...	...	...	...	...	1
Phthisis	22	...	..	...	7	15	...
Other tubercular diseases	3	...	...	...	2	1	...
Cancer, malignant disease	2	...	...	...	...	1	1
Bronchitis	3	...	...	...	...	2	1
Pneumonia	25	...	...	...	3	19	3
Pleurisy	...	...	...	...	...	...	...
Other diseases of Respiratory organs	...	...	...	...	...	...	...
Alcoholism } Cirrhosis of Liver } ...	1	...	...	...	...	1	...
Venereal diseases	...	...	...	...	...	...	...
Premature birth	...	...	...	...	...	...	...
Diseases and accidents of parturition	...	...	...	...	...	...	...
Heart diseases	10	...	...	...	1	5	4
Accidents	...	...	...	...	...	...	...
Suicides	...	...	...	...	...	...	...
All other causes	188	...	1	4	6	86	91
All causes	255	—	1	4	19	130	101

COTTAGE HOSPITAL, SHENFIELD.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1904.

Causes of Death.	Deaths from all causes, at subjoined Ages						
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Smallpox	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...
Scarlet fever	...	...	...	...	...	...	...
Whooping cough	...	...	...	...	...	...	...
Diphtheria and Membranous Croup	...	...	...	...	...	...	...
Croup	...	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	...	...
Fever { Enteric	...	..	...	...	...	...	...
Fever { Other continued ...	...	...	...	...	...	..	..
Epidemic influenza... ...	...	...	...	...	...	...	...
Cholera	..	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Diarrhœa	...	...	...	...	...	...	...
Enteritis	...	..	...	...	...	...	...
Puerperal fever	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...
Other septic diseases ...	1	...	...	...	...	1	...
Phthisis	...	..	...	...	...	...	...
Other tubercular diseases...	2	...	1	1	...	...	..
Cancer, malignant disease	..	...	...	...	...	...	...
Bronchitis	...	...	.	...	...	...	..
Pneumonia	...	...	...	...	...	...	...
Pleurisy	...	...	...	...	...	...	...
Other diseases of Respiratory organs	...	...	...	...	...	...	...
Alcoholism } Cirrhosis of Liver } ...	...	...	...	...	...	.	.
Venereal diseases	...	...	...	...	...	...	.
Premature birth	..	...	.	...	...	..	...
Diseases and accidents of parturition	...	...	...	...	...	...	...
Heart diseases	...	...	...	...	...	...	...
Accidents	1	...	...	1	...	...	...
Suicides	...	...	...	...	...	...	...
All other causes	2	..	...	1	...	1	..
All causes...	6	—	1	3	—	2	—

WARLEY BARRACKS

CAUSES OF, AND AGES AT DEATH DURING YEAR 1904.

Causes of Death.	Deaths from all causes, at subjoined Ages						
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Smallpox	...	...	...	...	...	...	...
Measles	...	...	..	...	...	...	...
Scarlet fever	.	...	...	...	...	...	...
Whooping cough	...	...	...	...	...	...	...
Diphtheria and Membranous Croup	...	...	...	..	...	...	...
Croup	..	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	...	...
Fever { Enteric	...	...	...	..	...	...	...
Fever { Other continued ...	...	...	..	...	...	...	...
Epidemic influenza... ...	...	...	...	...	...	...	..
Cholera	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Diarrhœa	...	...	...	...	...	...	...
Enteritis	...	...	...	...	...	...	...
Puerperal fever	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...
Other septic diseases ...	...	...	...	...	...	...	...
Phthisis	...	...	...	...	...	...	..
Other tubercular diseases...	...	..	...	...	...	...	...
Cancer, malignant disease...	...	...	...	...	...	...	...
Bronchitis	..	...	...	...	...	...	...
Pneumonia	...	...	...	..	...	...	...
Pleurisy	...	...	...	...	...	...	...
Other diseases of Respiratory organs	...	...	...	...	...	...	...
Alcoholism } Cirrhosis of Liver } ...	...	...	...	...	...	...	...
Venereal diseases	...	...	...	...	...	...	...
Premature birth	...	...	...	...	..	...	...
Diseases and accidents of parturition	...	...	...	...	...	...	...
Heart diseases	1	...	...	...	...	1	...
Accidents	...	...	...	...	...	..	...
Suicides	1	...	...	...	...	1	...
All other causes	...	...	...	...	...	...	...
All causes...	2	—	—	—	—	2	—

Notifiable Disease.	Cases Notified in Whole District.						
	At all Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.
Smallpox	...	...	...	...	...	...	...
Cholera	..	...	...	...	...	...	...
Diphtheria	24	...	3	13	3	5	...
Membranous Croup ..	...	...	...	...	...	...	...
Erysipelas	16	...	...	...	2	10	4
Scarlet fever	25	...	4	16	4	1	...
Typhus fever... ..	...	...	...		.	...	...
Enteric fever... ...	7	...	1	3	1	2	...
Relapsing fever ...	...	...	..	...	..	..	...
Continued fever ..	...	...	...	...	...	..	...
Puerperal fever ...	1	...	...	...	...	1	...
Plague...	.	...	...	...	...	...	...
Totals	73	...	8	32	10	19	4

Zymotic Disease.

Seventy-three cases of Infectious Disease were notified—54 in the Western and 19 in the Eastern Division. Ages and diseases as in table.

Zyomotic Deat Rate.

Twelve deaths resulted, 10 in the Western Division, 2 from Measles and 8 from Epidemic Diarrhœa; and in the Eastern Division 2 from Whooping Cough. Including 2 in Isolation Hospital the total is 12, giving a zymotic death rate of 0·9 per thousand of population.

There was nothing in the form of an epidemic in any of the Zymotic Diseases.

District Isolation Hospital.

The Isolation Hospital was occupied 349 days by 51 cases, viz.:—Scarlet Fever 22, Enteric 2, and Diphtheria 27. Of these cases 11 were from Brentwood. There were two deaths, one each from Enteric Fever and Diphtheria. The average stay in hospital was for Scarlet Fever cases 39 days, for Diphtheria 29, and for Enteric 27 days.

Phthisis.

Phthisis caused 26 deaths, 2 each in the Eastern and Western Divisions, and 22 in the Asylum. This is an improvement on last year, which was a record one, with six deaths only in a population of just under 15,400.

Influenza.

There were no deaths from Influenza.

Cancer.

Cancer and other Malignant Diseases caused 13 deaths, 4 in the Western and 6 in the Eastern Division, 2 in the Asylum, and 1 in the Workhouse. This is exactly 50 per cent. less than the deaths recorded from similar deaths last year.

Sewerage Work, Western Division.

Warley Peninsula, Asylum, and Brook Street.

Sewerage Works have been completed in the Parish of South Weald to take the sewage from the top of the Warley Road, from the Asylum, and from Brook Street. The outlall works are at Putwell Bridge. The sewage, after screening, passes through a detritus chamber into two open tanks 49,000 gallons capacity each, and thence over bacteria beds, from which it is distributed over 2½ acres of well-drained land, the effluent from the drains passing into the Ingrebourne Brook. There are three Bacteria Beds, the total capacity, allowing two thirds for filtering medium, being 49,000 gallons.

Priest's Lane.

In Priest's Lane, Shenfield, the sewer has been extended at the west end up to Shenfield Common, to join the Shenfield and Brentwood Sewer near the Artichoke Inn, and at the north end to connect with the Shenfield and Hutton sewer at Glanthams Farm. These drains will provide for existing houses and for any that may be erected on the adjoining land, which is being rapidly developed.

Sewerage, Eastern Division.

In the Eastern Division there have been no new sewerage works, but it is proposed to carry out a

system for Billericay, with an outfall on land near Gooseberry Green, in the occupation of Mr. Robert Hodge, and the property of Lord Petre. A provisional order has been applied for and an enquiry held before one of the Inspectors of the Local Government Board. The system will take all existing drains, and will provide for houses along the Back Lane, Billericay, many of which are in Mountnessing parish. The land that at present is being developed round Billericay is chiefly in that parish This plan of sewerage has been drawn up by Mr. Layland, Inspector of the Billericay R.S.A.

Wickford.

At Wickford also a system of sewerage has been decided on, a contract has been accepted, and the work will be in hand shortly. The plan for sewerage has been drawn up by Mr. Simmonds.

This plan was passed last year, but for various reasons has been delayed in execution.

Water Supply.

The borehole at Slyce's Gate has been carried to a depth of 900 feet and is still in the chalk. The test pumping of 14 days without intermission, required by the Local Government Board, gave a result of not less than 108,000 gallons a day. The water stands at 92 feet from the surface, and the pumping level is 234 feet. This was lowered only 5 feet after the 14 days' continuous pumping, and there is little doubt that with more powerful pumps the quantity would be considerably increased. As it is, it will give more than 26 gallons a day to every individual in the district to be supplied, an amount far in excess of anything likely to be required. The water is very pure and very soft. The parishes to be supplied, and their population, are according to the last census :—Hutton, 629 ; Great Burstead, 540 ; Billericay, 1,130 ; Ramsden Crays, 201 ; Ramsden

Bellhouse, 396; Laindon, 417; Basildon, 307; Nevendon, 166; Downham, 258.

North Benfleet.

North Benfleet, in which parish the want of water was acutely felt, has now a 4-inch distribution main from the Southend Water Company's main, at Bowers. Twenty houses are directly connected with the main, and there are standpipes at various places from which every house in the parish can obtain a water supply and to which it is rated. The cost amounted to £1,290.

Vange, Pitsea, and Bowers have been for some time supplied from the Southend Company's main.

Wickford Water Supply.

Wickford, which originally joined with the other parishes to get its supply from Slyce's Gate, has seceded, and has arranged with the Southend Water Company for a continuation of the North Benfleet main along the right-of-way through the Wick Farm to the Wickford and Rayleigh road, and thence down to the village, with branches and extensions along the London and Nevendon roads. This work will be put in hand as soon as the scheme is sanctioned by the Local Government Board.

At Pilgrims Hatch and Bentley a water supply is badly needed.

Building Bye-Laws.

Certain alterations have been made in the Building Bye-laws subject to the consent of the Local Government Board. If sanctioned these will allow of the erection of houses or cottages of timber with lath and plaster or match boarding inside, and will lessen to a very material extent the cost of new buildings. It is computed that a good cottage could be built in this way for £150—a saving of £100 on the cost according to the present Bye-laws.

In many parts of the District, especially in the purely agricultural part, there is a want of proper cottage accommodation, and an alteration of this kind will enable cottages to be built with the prospect of a small return to the builder, who is nearly invariably the landowner. Also in this connection attention may be draw to cases of overcrowding. There are always some of these brought before the authority every year, and usually an order to abate follows. In some cases no very serious attempt to enforce this order results, and I think quite rightly, for the reason that overcrowding means a large family, and large families are not in favour with landlords, and consequently, suitable cottages are hard to get. I should like to see it made compulsory that no house should be erected without three fair-sized bedrooms, one for husband and wife, one for boys, and one for girls. I have known three generatins sleeping in the same room without overcrowding, and it is common enough for boys and girls to occupy the same room. I think every facility should be put in the way of those who are willing to build cottages, wind and water tight, with a good water supply, good sanitary surroundings, and always three bedrooms

Poplar Labour Colony at Laindon.

A very important and interesting addition has been made during the year by the institution of the Poplar Labour Colony at Laindon. This was opened in July. and has, so far answered expectations that in addition to the present buildings, a barn is being converted into a dormitory and day room for 50 more men, bringing the number up to 150.

The buildings are of galvanised iron with either lath and plaster inside or match-boarded—roof of galvanised iron. They are heated by large stoves, and are warm and comfortable.

The land is the property of Mr. Fels, and has been leased by him to the Poplar Guardians at a peppercorn rent for 3 years, with option of purchase at cost price at the end of that time.

Every effort has been made to make the Colony complete in itself. The one difficulty was the water supply, as there are no land springs in this part of the district. To meet this difficulty a large cemented reservoir has been made for the storage of water which will come down from the watershed lying between the Colony and Laindon station and between the Colony and Great Gubbins farm. This will be pumped up by a windmill into the filter bed and then run into a tank from which it will be pumped up to the buildings. There are also large iron tanks for collecting the water from the roofs of the various buildings. In consequence of the deficient rainfall, water is at present obtained from the South Essex Water Company's main at East Horndon station.

Sewerage.

The sewage from the buildings and from the farm buildings is taken in glazed and cemented pipes below the reservoir, and thus any risk of fouling the water supply is prevented.

The labour on the farm is entirely manual, but horses are kept for hauling purposes. Cows are kept for the use of the Colony. No payment is made to the men, they have a very liberal dietary and are allowed $1\frac{1}{2}$ oz. tobacco a week, no stimulant is allowed. out of labour hours, the men go about as they please. There has been no complaint of their behaviour. Of the first 100 men who came down 80 are still at the Colony, and of these there are 20 for whom passages to Canada have been arranged.

I think more day room should be provided, a larger kitchen and scullery and a larger laundry. For the additional 50 men the original buildings are hardly sufficient.

I think very highly of the way in which this Colony is conducted.

A large amount of work has been done every year by the Inspectors of which no report has been printed. I propose to embody a certain amount of their work in this report.

Sanitary Inspector's Reports.

In the Western Division, 9,758 population, there were 224 nuisances detected without complaint, 105 notices served, 190 nuisances abated, 413 cottages were inspected, 12 water certificates were applied for, but in this District this is no indication as to the number of new houses built as connections are made with the South Essex Company's mains without a certificate being required.

Western Division, Mr. Shelley Inspector.

In the Eastern Division, 5,614 population, there have been among other things 184 nuisances detected without complaint made, 258 cottages inspected where nuisances were suspected, 70 water certificates applied for, of which 15 were for houses with wells and 55 for houses whose only supply was rain water. These 70 houses are either new or houses rebuilt, thus bringing them under the Act requiring a water certificate.

Eastern Division, Mr. Layland Inspector.

In neither District is there a Lodging House or Underground Bakehouse. There are 15 Workshops, 35 Cowsheds, and 14 Dairies and Milkshops in the United Districts.

In both Districts regular inspections of Dairies, Milkshops, Cowsheds, Slaughter and Bake Houses have been made. Houses have been disinfected after illness

and the many other duties incidental to the appointment of a Sanitary Inspector have been very satisfactorily carried out.

Cow Sheds, Dairies, and Milk Shops.

There is still room for improvement in the Milk Industry. Dairies are uniformly well kept, but there is room for improvements in the Cows and Sheds. Regulations as to these should be few and simple and such as it would be possible to enforce. Milkshops are few in the District, 14 in all, and are usually well kept. Bye-laws for the proper storing and protection of milk should be framed.

Tables of the Sanitary Inspectors reports are appended

*From particulars supplied by T. W. Bacon, Esq.

*The rainfall for the year was 18.92 as against 36.32 in 1903.

I am, Sirs,

Your obedient servant,

FRED. CARTER, M.D.

ESSEX COUNTY COUNCIL.

SUMMARY of WORK done through the Sanitary Inspector in the Rural Sanitary District of Billericay during the year ending December 31st, 1904 (Western Division).

37 Complaints received.
224 Nuisances detected without complaint.
190 Nuisances abated. Drains at 16 cottages entirely re-laid.
105 Notices served.
Summonses taken out, nil.
Convictions, nil.
413 Cottages inspected.
Lodging-houses inspected, nil None in district.
6 Slaughter-houses inspected.
6 Bakehouses inspected.
9 Dairies and Milk Shops inspected.
22 Cowsheds inspected.
8 Workshops inspected.
6 Filthy houses cleansed sec. 46 Public Health Act, 1875.
20 Houses Disinfected.
1 Overcrowding abated.
11 Houses placed in habitable repair.
Houses closed, nil.
12 Houses erected or re-built for which Water "Certificates" were applied.
9 "Certificates" granted.
3 ,, deferred.
1 Well sunk, or improved supplies of water afforded.
4 Wells cleansed or repaired.
Wells closed, nil.
29 Houses connected with sewers.
7 ,, ,, with water mains.
22 Earth, pail, or improved privies constructed, or existing privies altered.
12 Privies and w.c.'s repaired; w.c.'s supplied with water.
4 Cisterns cleansed, repaired, or covered.
Animals improperly kept removed, nil.
12 Samples of water taken for analysis.
Compensation paid for destruction of infected bedding, nil.
Seizures of unsound meat, &c., nil.

(Signed), SAMUEL J. SHELLEY.

ESSEX COUNTY COUNCIL.

SUMMARY of WORK done through the Sanitary Inspector in the Eastern Sanitary District of Billericay, during the year ending December 31st, 1904.

10 Complaints received. (Written complaints only).
184 Nuisances detected without complaint. Inspection.
175 Nuisances abated.
57 Notices served. Some abated nuisances without notices.
Summonses taken out, nil.
Convictions, nil.
258 Cottages inspected. Where nuisances are suspected.
Lodging-houses inspected, nil.
6 Slaughter-houses inspected. Clean and in good order.
8 Bakehouses inspected. All now in good order.
5 Dairies and Milk Shops inspected. All now in good order.
13 Cowsheds inspected. All in good order excepting one.
7 Workshops inspected. All in good order.
Filthy houses cleansed, sec. 46 Public Health Act, 1875, nil.
3 Houses disinfected. Scarlet fever and Diphtheria.
3 Overcrowding abated.
3 Houses placed in habitable repair.
1 House closed. At Bowers Gifford.
70 Houses erected or re-built for which Water "Certificates" were applied.
15 "Certificates" granted. For well water supply.
55 ,, deferred. For rain water supply.
6 Wells sunk, or improved supplies of water afforded.
7 Wells cleansed or repaired.
Wells closed, nil.
3 Houses connected with sewers. On new sewer at Billericay.
20 ,, ,, with water mains. On new water mains, North Benfleet.
31 Earth, pail, or improved privies constructed, or existing privies altered.
25 Privies and w.c.'s repaired; w.c.'s supplied with water.
Cisterns cleansed, repaired, or covered, nil.
7 Animals improperly kept removed. Mostly stables adjoining dwelling houses and pigs near by.
6 Samples of water taken for Analysis. On 3 occasions wells have been cleaned out.
Compensation paid for destruction of infected bedding, nil.
Seizures of unsound Meat, &c., nil.

(Signed) R. J. W. LAYLAND,
Billericay.